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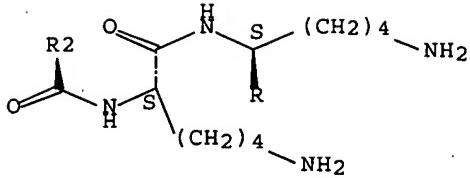
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END OF SEARCH HISTORY



L22 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2003:949917 CAPLUS Full-text

DOCUMENT NUMBER: 140:24832

TITLE: Purification, cloning and sequences of human and murine β -secretase and applications in diagnostics and treatment of Alzheimer's disease
Anderson, John P.; Basi, Gurqbal; Doane, Minh Tam; Frigon, Normand; John, Varghese; Power, Michael; Sinha, Sukanto; Tatsuno, Gwen; Tung, Jay; Wang, Shuwen; Mcconlogue, Lisa

INVENTOR(S): Elan Pharmaceuticals Inc, USA

PATENT ASSIGNEE(S): Brit. UK Pat. Appl., 121 pp.

SOURCE: CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

Nd. - AP
Dnlen - AleAa

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2389182	A1	20031203	GB 2003-18113	20000210
GB 2389182	B2	20040204		
GB 2364059	A1	20020116	GB 2001-21314	20000210
GB 2364059	B2	20040114		
EP 1445263	A1	20040811	EP 2004-6991	20000210
R: AT, BE, CH, DE, DK, ES, FR, IE, FI, CY			GB, GR, IT, LI, LU, NL, SE, MC, PT,	
US 6627739	B1	20030930	US 2000-724566	20001128
US 7067271	B1	20060627	US 2000-724571	20001128
US 7109017	B1	20060919	US 2000-724569	20001128
US 7115410	B1	20061003	US 2000-723722	20001128
HK 1062377	A1	20050324	HK 2004-104024	20020618
HK 1062474	A1	20050324	HK 2004-104025	20020618
HK 1062445	A1	20050324	HK 2004-104027	20020618
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US 2005170489	A1	20050804	US 2005-69377	20050228
US 2005164327	A1	20050728	US 2005-89918	20050325
US 2005164294	A1	20050728	US 2005-90866	20050325
US 2005177888	A1	20050811	US 2005-90872	20050325
US 2005196839	A1	20050908	US 2005-90399	20050325

PRIORITY APPLN. INFO.:

US 1999-119571P	P	19990210
US 1999-139172P	P	19990615
GB 2001-21314	A3	20000210
US 1999-139712P	P	19990617
US 1999-471669	A2	19991224
AU 2000-40009	A3	20000210
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US 2000-501708	A1	20000210

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US 2000-723722
HK 2002-104530

W 20000210
A1 20001128
A 20020618

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ED Entered STN: 05 Dec 2003

AB The invention provides a method of purifying β -secretase, comprising contacting an impure sample comprising β -secretase activity with an affinity matrix which includes a β -secretase inhibitor. In a preferred embodiment, the inhibitor comprises a peptide having the sequence VMXVAEF, wherein X is hydroxyethylene or statine; β -secretase gene isolated from a mouse, and a β -secretase protein purified to apparent homogeneity is disclosed. In a number of alternative embodiments, the human β -secretase sequence, methods of screening and use thereon inhibitors thereof, a mouse β -secretase gene sequence and a knock-out mouse deleted for the endogenous β -secretase gene are disclosed. The β -secretase inhibitors of the invention can be used for the treatment of Alzheimer's disease.

IT 288310-82-7

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(purification, cloning and sequences of human and murine β -secretase and applications in diagnostics and treatment of Alzheimer's disease)

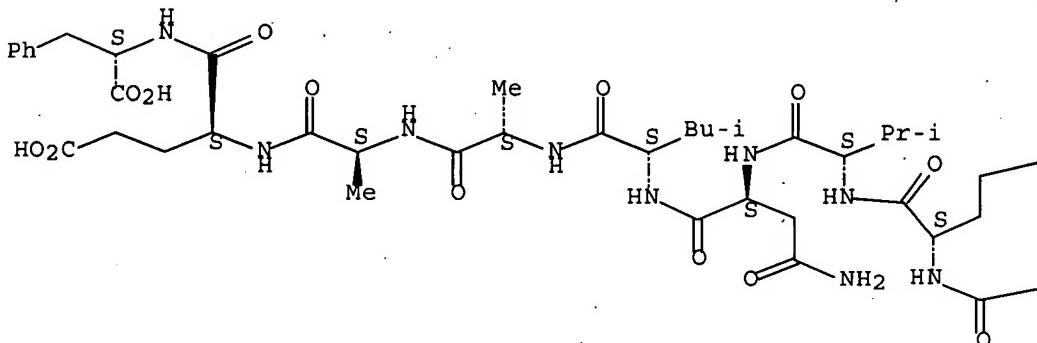
RN 288310-82-7 CAPLUS

CN L-Phenylalanine, L-seryl-L- α -glutamyl-L-valyl-L-asparaginyl-L-leucyl-L-alanyl-L-alanyl-L- α -glutamyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

N L - A A
AspVal - Ala Ala

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PAGE 1-B

CO_2H

